

# BTU900-NO<sub>x</sub>



Built with Quality in Mind

The Latest in Combustion Analysis Technology

## 3 Gas Combustion, Emissions & Safety Analyzer

Accurate

Reliable

Robust

Fast

NO<sub>x</sub>

C<sub>x</sub>H<sub>y</sub>

CO<sub>2</sub>

CO

O<sub>2</sub>

6 Tools-In-One

Combustion Efficiency

Choice of 3rd Gas Sensor

Flue & Ambient Temperature

Ambient CO Monitor

Built-In Manometer

Draft & Differential Pressure

PC Software w/ Auto Saving

Unbreakable Metal Connections



Bluetooth®



**Automatic, TRUE High-Efficiency Calculations for ALL Condensing Systems**

**Wireless Bluetooth™ Printer**

**Field Replaceable Sensors**

**3rd Gas Sensor Selection (NO<sub>x</sub> or C<sub>x</sub>H<sub>y</sub>)**



**E Instruments International**

**www.E-Inst.com**

P: 215-750-1212 F: 215-750-1399 A: 402 Middletown Blvd, Ste 216 Langhorne, PA 19047

# BTU900-*NOx* Features



Built with Quality in Mind

**NEW!**

**Automatic Outdoor Air Temp. & High Efficiency Calculations (Condensing Systems)**



**Internal Memory & PC Software Included**

**10 Fuel & Oil Types Including Bio-Heat 5%**

**Pre-Calibrated Field Replaceable Sensors**

**Unbreakable Metal Connections**

**NEW!**



Bluetooth

**Optional Wireless Bluetooth™ Printer**  
(No More Lining Up Infrared Printers!)

Parameter	Sensor	Range	Resolution	Accuracy
O <sub>2</sub>	Electrochemical	0 - 25%	0.1%	±0.2% vol
CO H <sub>2</sub> Compensated w/ Built-In NO <sub>x</sub> Filter	Electrochemical	<b>0 - 8000 ppm</b>	1 ppm	±8 ppm <400 ppm ±5% rdg up to 2000 ppm ±10 % rdg for >2000 ppm
CO <sub>2</sub>	Calculated	0 - 99.9%	0.1%	
NO	Electrochemical	0 - 4000 ppm	1 ppm	±5 ppm <100 ppm ±5% rdg up to 1000 ppm ±10% rdg for >4000 ppm
NO <sub>x</sub>	Calculated	0 - 5000 ppm	1 ppm	
C <sub>x</sub> H <sub>y</sub> (HC)	Pellistor	0 - 5%	0.01%	±5% Full Scale
T <sub>air</sub>	Pt100	-10 to 212°F	0.1°F	±1°F
T <sub>gas</sub>	Tc K	-10 to 1830°F	0.1°F	±2°F
Differential Temp	Calculated	-10 to 1830°F	0.1°F	
Pressure/Draft	Semiconductor	±0 - 80 inH <sub>2</sub> O	0.001 inH <sub>2</sub> O	±1% rdg.
Excess Air	Calculated	0 - 850%	1%	
Efficiency	Calculated	0 - 100%	0.1%	
Warranty	2 years: Analyzer + Sensors			

**All BTU900 Kits Include:**

- New Auto Outdoor Air Temp. Saving for TRUE Efficiency Calculations
- O<sub>2</sub>, CO, CO<sub>2</sub>
- Choice of NO/NO<sub>x</sub> or C<sub>x</sub>H<sub>y</sub> Hydrocarbon Sensor
- Combustion Efficiency, Losses, & Excess Air
- Ambient CO Monitor
- CO Air Free
- Draft
- Differential Pressure/Manometer
- Temperature Measurements
- 600 Test Internal Memory
- Bluetooth Connectivity
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hoses
- Water Trap with Filter Cartridge
- Magnetic Rubber Holster
- PC Software & USB Cable
- Operating Manual

**Ordering Information**

Model No.	Description
900 - 3	<b>NO<sub>x</sub> Kit</b> = O <sub>2</sub> , CO, CO <sub>2</sub> , <b>NO/NO<sub>x</sub> Included</b> , PC Software Included
900 - 3P	<b>NO<sub>x</sub> Printer Kit</b> = O <sub>2</sub> , CO, CO <sub>2</sub> , <b>NO/NO<sub>x</sub> Included</b> , PC Software Included + <b>Wireless Bluetooth™ Printer</b>
900 - C	<b>C<sub>x</sub>H<sub>y</sub> Kit</b> = O <sub>2</sub> , CO, CO <sub>2</sub> , <b>C<sub>x</sub>H<sub>y</sub> Hydrocarbons Included</b> , PC Software Included
900 - CP	<b>C<sub>x</sub>H<sub>y</sub> Printer Kit</b> = O <sub>2</sub> , CO, CO <sub>2</sub> , <b>C<sub>x</sub>H<sub>y</sub> Hydrocarbons Included</b> , + <b>Wireless Bluetooth™ Printer</b>



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